COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING 83 (1990) 295–296
NORTH-HOLLAND

AUTHOR INDEX OF VOLUME 83*

Bank, R.E. and B.D. Welfert, A comparison between the mini-element and the Petrov–Galerkin formulations for the generalized Stokes problem (1) 61 – 68

Chang, C.L., A least-squares finite element method for the Helmholtz equation (1) 1 – 7
Chiu, W.K. and M.P. Norton, Application of a collocation method to unsteady flow problems (3) 231 – 245
Chuanrong, Z. and B. Yimin, Structural modification and vibration reanalysis (2) 99 – 108

Gellert, M., see Harbord, R. (3) 201 – 209
Guedes, J.M. and N. Kikuchi, Preprocessing and postprocessing for materials based on the homogenization method with adaptive finite element methods (2) 143 – 198

Harbord, R. and M. Gellert, Progress in symmetric formulation of the incompressible Navier–Stokes equations (3) 201 – 209
Heise, U., Singular and fundamental solutions to potential and elasticity problems for a Riemann surface (3) 211 – 230
Hsu, C.S., see Sun, J.Q. (2) 109 – 120

Jehle, U. and H.P. Mlejnek, Application and implementation of approximate explicit models in optimum structural design (1) 33 – 59

Kiehne, T.M., D.E. Wilson and R.D. Matthews, Numerical solution technique for transient, two-dimensional combustion with multi-step kinetics (1) 9 – 31
Kikuchi, N., see Guedes, J.M. (2) 143 – 198

Liou, J., see Tezduyar, T.E. (2) 121 – 142
Loret, B. and J.H. Prevost, Dynamic strain localization in elasto-(visco-)plastic solids, Part 1. General formulation and one-dimensional examples (3) 247 – 273
Loret, B., see Prevost, J.H. (3) 275 – 294

Matthews, R.D., see Kiehne, T.M. (1) 9 – 31
Mlejnek, H.P., see Jehle, U. (1) 33 – 59

Norton, M.P., see Chiu, W.K. (3) 231 – 245

Postell, F.V. and E.P. Stephan, On the *h*-, *p*- and *h-p* versions of the boundary element method – Numerical results (1) 69 – 89

* The issue number is given in front of the page numbers.

Prevost, J.H. and B. Loret, Dynamic strain localization in elasto-(visco-)plastic solids, Part 2. Plane strain examples (3) 275–294
Prevost, J.H., see Loret, B. (3) 247–273

Stephan, E.P., see Postell, F.V. (1) 69– 89
Sun, J.Q. and C.S. Hsu, Global analysis of nonlinear dynamical systems with fuzzy uncertainties by the cell mapping method (2) 109–120

Tezduyar, T.E. and J. Liou, Computation of spatially periodic flows based on the vorticity–stream function formulation (2) 121–142

Welfert, B.D., see Bank, R.E. (1) 61– 68
Wilson, D.E., see Kiehne, T.M. (1) 9– 31

Yimin, B., see Chuanrong, Z. (2) 99–108

COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING 83 (1990) 297–299
NORTH-HOLLAND

SUBJECT INDEX OF VOLUME 83*

Boundary element methods

On the *h*-, *p*- and *h-p* versions of the boundary element method – Numerical results, F.V. Postell and E.P. Stephan (1) 69–89

Collocation method

Numerical solution technique for transient, two-dimensional combustion with multi-step kinetics, T.M. Kiehne, D.E. Wilson and R.D. Matthews (1) 9–31
Application of a collocation method to unsteady flow problems, W.K. Chiu and M.P. Norton (3) 231–245

Dynamics

Structural modification and vibration reanalysis, Z. Chuanrong and B. Yimin (2) 99–108
Global analysis of nonlinear dynamical systems with fuzzy uncertainties by the cell mapping method, J.Q. Sun and C.S. Hsu (2) 109–120
Dynamic strain localization in elasto-(visco-)plastic solids, Part 1. General formulation and one-dimensional examples, B. Loret and J.H. Prevost (3) 247–273
Dynamic strain localization in elasto-(visco-)plastic solids, Part 2. Plane strain examples, J.H. Prevost and B. Loret (3) 275–294

Elasticity

On the *h*-, *p*- and *h-p* version of the boundary element method – Numerical results, F.V. Postell and E.P. Stephan (1) 69–89
Preprocessing and postprocessing for materials based on the homogenization method with adaptive finite element methods, J.M. Guedes and N. Kikuchi (2) 143–198
Singular and fundamental solutions to potential and elasticity problems for a Riemann surface, U. Heise (3) 211–230
Dynamic strain localization in elasto-(visco-)plastic solids, Part 1. General formulation and one-dimensional examples, B. Loret and J.H. Prevost (3) 247–273
Dynamic strain localization in elasto-(visco-)plastic solids, Part 2. Plane strain examples, J.H. Prevost and B. Loret (3) 275–294

Finite element and matrix methods

A least-squares finite element method for the Helmholtz equation, C.L. Chang (1) 1–7
Numerical solution technique for transient, two-dimensional combustion with multi-step kinetics, T.M. Kiehne, D.E. Wilson and R.D. Matthews (1) 9–31
Application and implementation of approximate explicit models in optimum structural design, U. Jehle and H.P. Mlejnek (1) 33–59

* The issue number is given in front of the page numbers.

A comparison between the mini-element and the Petrov–Galerkin formulations for the generalized Stokes problem, R.E. Bank and B.D. Welfert (1) 61 – 68
Structural modification and vibration reanalysis, Z. Chuanrong and B. Yimin (2) 99 – 108
Computation of spatially periodic flows based on the vorticity–stream function formulation, T.E. Tezduyar and J. Liou (2) 121 – 142
Preprocessing and postprocessing for materials based on the homogenization method with adaptive finite element methods, J.M. Guedes and N. Kikuchi (2) 143 – 198
Progress in symmetric formulation of the incompressible Navier–Stokes equations, R. Harbord and M. Gellert (3) 201 – 209
Dynamic strain localization in elasto-(visco-)plastic solids, Part 1. General formulation and one-dimensional examples, B. Loret and J.H. Prevost (3) 247 – 273
Dynamic strain localization in elasto-(visco-)plastic solids, Part 2. Plane strain examples, J.H. Prevost and B. Loret (3) 275 – 294

Fluid mechanics

Numerical solution technique for transient, two-dimensional combustion with multi-step kinetics, T.M. Kiehne, D.E. Wilson and R.D. Matthews (1) 9 – 31
Computation of spatially periodic flows based on the vorticity–stream function formulation, T.E. Tezduyar and J. Liou (2) 121 – 142
Progress in symmetric formulation of the incompressible Navier–Stokes equations, R. Harbord and M. Gellert (3) 201 – 209
Application of a collocation method to unsteady flow problems, W.K. Chiu and M.P. Norton (3) 231 – 245

Incompressible and near incompressible media

A comparison between the mini-element and the Petrov–Galerkin formulations for the generalized Stokes problem, R.E. Bank and B.D. Welfert (1) 61 – 68
Computation of spatially periodic flows based on the vorticity–stream function formulation, T.E. Tezduyar and J. Liou (2) 121 – 142
Progress in symmetric formulation of the incompressible Navier–Stokes equations, R. Harbord and M. Gellert (3) 201 – 209

Least squares method

A least-squares finite element method for the Helmholtz equation, C.L. Chang (1) 1 – 7

Nonlinear mechanics

Global analysis of nonlinear dynamical systems with fuzzy uncertainties by the cell mapping method, J.Q. Sun and C.S. Hsu (2) 109 – 120

Numerical solution procedures

A comparison between the mini-element and the Petrov–Galerkin

formulations for the generalized Stokes problem, R.E. Bank and B.D. Welfert (1) 61 – 68
On the *h*-, *p*- and *h-p* versions of the boundary element method – Numerical results, F.V. Postell and E.P. Stephan (1) 69 – 89
Preprocessing and postprocessing for materials based on the homogenization method with adaptive finite element methods, J.M. Guedes and N. Kikuchi (2) 143 – 198

Optimization

Application and implementation of approximate explicit models in optimum structural design, U. Jehle and H.P. Mlejnek (1) 33 – 59

Plasticity

Dynamic strain localization in elasto-(visco-)plastic solids, Part 1. General formulation and one-dimensional examples, B. Loret and J.H. Prevost (3) 247 – 273
Dynamic strain localization in elasto-(visco-)plastic solids, Part 2. Plane strain examples, J.H. Prevost and B. Loret (3) 275 – 294

Solutions of integral equations (singularity method)

On the *h*-, *p*- and *h-p* versions of the boundary element method – Numerical results, F.V. Postell and E.P. Stephan (1) 69 – 89

Solutions of ordinary and partial differential equations

A least-squares finite element method for the Helmholtz equation, C.L. Chang (1) 1 – 7
A comparison between the mini-element and the Petrov–Galerkin formulations for the generalized Stokes problem, R.E. Bank and B.D. Welfert (1) 61 – 68

Stability in fluid mechanics

A comparison between the mini-element and the Petrov–Galerkin formulations for the generalized Stokes problem, R.E. Bank and B.D. Welfert (1) 61 – 68

Viscoelastic and viscoplastic media

Dynamic strain localization in elasto-(visco-)plastic solids, Part 1. General formulation and one-dimensional examples, B. Loret and J.H. Prevost (3) 247 – 273
Dynamic strain localization in elasto-(visco-)plastic solids, Part 2. Plane strain examples, J.H. Prevost and B. Loret (3) 275 – 294

Viscous flow

Computation of spatially periodic flows based on the vorticity–stream function formulation, T.E. Tezduyar and J. Liou (2) 121 – 142